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Received signal quality optimisation method used for radio receiver -
involves adjusting gain of code division multiple access radio receiver
according to received signal quality

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Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8330986	A	19961213	JP 96160788	A	19960530	199709 B
CA 2175860	A	19961203	CA 2175860	A	19960506	199714
KR 97004390	A	19970129	KR 9619514	A	19960601	199808
US 5758271	A	19980526	US 95458533	A	19950602	199828
			US 97978099	A	19971125	
CN 1140938	A	19970122	CN 96107588	A	19960531	200047
KR 221163	B1	19990915	KR 9619514	A	19960601	200107
CA 2175860	C	20010327	CA 2175860	A	19960506	200122

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Patent Details:

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CA 2175860	A			H04B-001/18	
KR 97004390	A			H04B-001/40	
US 5758271	A			H04B-001/06	Cont of application US 95458533
CN 1140938	A			H04B-001/10	
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CA 2175860	C	E		H04B-001/18	

Abstract (Basic): JP 8330986 A

The method involves the reception of a radio frequency signal (122) by a code division multiple access radio receiver (104). The CDMA receiver determines the quality (130) of a received signal (122). A gain controller (112) adjusts the CDMA radio receiver gain (111) according to quality of the received signal.

USE/ADVANTAGE - For e.g. cellular telephone system. Reduces intermodulation distortion by optimising received radio signal.

Dwg.1/4

Title Terms: RECEIVE; SIGNAL; QUALITY; OPTIMUM; METHOD; RADIO; RECEIVE; ADJUST; GAIN; CODE; DIVIDE; MULTIPLE; ACCESS; RADIO; RECEIVE; ACCORD; RECEIVE; SIGNAL; QUALITY

Index Terms/Additional Words: RF

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[19]中华人民共和国专利局

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[54]发明名称 无线电话接收机中使接收信号质量最佳化的装置和方法

[57]摘要

CDMA 无线接收机 (104) 接收射频信号 (122) 和产生接收信号 (124)。判定其质量 (130)。质量是所需信号每电路片能量 (E_c) 与接收信号总功率谱密度 (I_o) 之比。另一无线电接收机的质量是解调信号的误码率估值。响应接收信号质量调整接收机增益以最佳化接收信号质量。调整后的增益改变接收信号强度指示 (RSSI)，响应接收机增益，估值和补偿接收信号的 RSSI，以产生接收信号的补偿 RSSI (134)，指示所需射频信号 RSSI。

